

Mathematics General Science Test Hard Mode

Sr	Questions	Answers Choice
1	The curves $y = x^2$, $y = x$ intersect at	A. (0,0) , (1, 1) B. (2, 4) D. (0,3), (-1, 1)
2	Question Image	
3	The line joining (1, 3) to (a, b) has unit gradient then	A. a-b = -2 B. a+b = 0 C. a-b + 5 D. 2a+3b=1
4	The mid point of the line joining (-1, -3) to (3, -5) is	A. (1, 1) B. (1, -1) C. (2, -8) D. (1, -4)
5	If the 19th term of A.P is 8 and the 4th term is 20, then the first term is	A. 20.2 B. 25.5 C. 27.5 D. 37.5
		A. Unit matrix
6	Question Image	B. Diagonal matrix C. Nilpotent matrix D. Zero matrix
7	Sin x + Cos x = 1 x =	
8	Which of the following is the equation of a line with slope 0 and passing through the point (4, 3)	A. X = 4 B. X = -4 C. Y = 3 D. Y = -6
9	If a statement $S(n)$ is true for $n=1$ and the truth of $S(n)$ for $n+K$ implies the truth of $S(n)$ for $S(n)=K+1$, then $S(n)$ true for all	A. All Real numbers B. All integers C. Positive integers D. All complex numbers
10	Question Image	
11	a + x is	A. A trinomial B. A binomial C. A moomial D. An equation
12	If $0 < n < 1$, n is a rational number, the number of terms in the expansion of $(1 + X)^n$ are	A. n + 1 B. 2n C. Infinitely many D. 2n ²
13	Question Image	D. None of these
14	The multiplicative inverse of x such that $x = 0$ is	Ax B. does not exist C. 1/x D. 0
15	Cos 315°=	A. 0.707 B. 0.5 C. 1 D. 0
16	Question Image	A. 1 B. 2 C. 3 D. 4
17	If 1 + Cos x = 0, then x =	
18	The complement of set A relative to universal set U is the set	D. A - U
19	Question Image	
20	Question Image	
20		